

PASHCHENKO, Z.P.; SAYDALIYEVA, D.; NAM. V.M.

Cytological and embryological characteristics of cotton grown
from gamma irradiated seeds. Uzb. biol. zhur. 7 no.1778-81 '63
(MIRA 17:7)

1. Tashkentskiy gosudarstvennyy universitet imeni V.I.Lenina.

SAYDALIYEVA, M.S.

Oil pools in Neogene continental sediments of the Yuzhnnyy Alamyshik
and Boston fields. Uzb.geol.zhur. no.1:55-61 '60. (MIRA 13:6)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti
imeni I.M.Gubina.
(Fergana--Petroleum geology)

SAYDALIYEVA, M. S.

Cand Geol-Min Sci - (diss) "Tectonic features of the formation of deposits of petroleum and gas in Cenozoic Continental deposits of the Andizhanskaya Group of fossil flora." Tashkent, 1961. 17 pp; (Academy of Sciences Uzbek SSR, Inst of Geology and Exploration of Petroleum and Gas Deposits); 170 copies; price not given; (KL, 7-61 sup, 225)

SAYDALIYEVA, M.S.; RYZHKOV, O.A., doktor geolog.-miner . nauk, otd.
red.; TERNOVSKAYA, R.M., red.; KARABAYEVA, Kh.U., tekhn. red.

[Tectonic characteristics of the formation of oil and gas pools
in Genozoic sediments of the Andizhan fold group] Tektonicheskie
osobennosti formirovaniia zalezhei nefti i gaza v kainozoiskikh
kontinental'nykh otlozheniakh Andizhanskoi gruppy skladok.
Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1962. 110 p.
(MIRA 15:7)

(Andizhan Province--Petroleum geology)
(Andizhan Province--Gas, Natural--Geology)

AKRAMKHODZHAYEV, A.M.; AKHMEDZHANOV, M.A.; BABAYEV, A.G.; BABAYEV, K.L.;
BATALOV, A.B.; BASHAYEV, N.P.; BAYMUKHAMEDOV, Kh.N.; BRAGIN,
K.A.; BORISOV, O.M.; GABRIL'YAN, A.Sh.; GAR'KOVETS, V.G.;
GOR'KOVOY, O.P.; GRIGORYANTS, S.V.; IBADELLAYEV, S.I.; ISMAILOV,
M.I.; ISAMUKHAMEDOV, I.M.; KAKHKHAROV, A.; KENESARIN, N.A.;
KRYLOV, M.M.; KUCHUKOVA, M.S.; LORDKIPANIDZE, L.N.; MAVLYANOV,
G.A.; MOTSOKINA, T.M.; MALAKHOV, A.A.; MIRBABAYEV, M.Yu.;
MIRKHODZHIYEV, I.M.; MUSIN, R.A.; NABIYEV, K.A.; PETROV, N.P.;
POPOV, V.I.; PLATONOVA, N.A.; RYZHKOV, O.A.; SAYDALIYEVA, M.S.;
SERGUN'KOVA, O.I.; SLYADNEV, A.F.; TULYAGANOV, Kh.T.; UKLONSKIY,
A.S.; KHAMRABAYEV, I.Kh.; KHODZHIBAYEV, N.N.; CHUMAKOV, I.D.;
SHAVLO, S.G.

Khabib Mukhamedovich Abdullaev; obituary. Uzb.geol.zhur. 6
no.4:7-9 '62. (MIRA 15:9)
(Abdullaev, Khabib Mukhamedovich, 1912-1962)

44810

S/044/63/000/001/015/053
A060/A000AUTHOR: Saydamatov, M.

TITLE: On a Laurent-type theorem for a canonical Pfaffian system of rank greater than zero

PERIODICAL: Referativnyy zhurnal, Matematika, no. 1, 1963, 50, abstract 1B227
(Dokl. AN UzSSR, 1962, no. 3, 9 - 12; summary in Uzbek)

TEXT: A Laurent-type theorem is proven for a totally integrable canonical Pfaffian system of rank greater than zero

$$\begin{aligned} dq_v &= \sum_{\sigma=1}^s \left(\frac{\partial H_\sigma}{\partial p_v} + \sum_{i=1}^{r_\sigma} F_{i\sigma} \frac{\partial H_{i\sigma}}{\partial p_v} \right) dt_\sigma, \quad v = 1, 2, \dots, n, \\ dp_v &= - \sum_{\sigma=1}^s \left(\frac{\partial H_\sigma}{\partial q_v} + \sum_{i=1}^{r_\sigma} F_{i\sigma} \frac{\partial H_{i\sigma}}{\partial q_v} \right) dt_\sigma, \end{aligned} \quad (1).$$

where H_σ , $H_{i\sigma}$, and $F_{i\sigma}$ are functions of q_v , p_v , and t_σ ; H_σ , $H_{i\sigma}$ are twice con-

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S/044/63/000/001/015/053
A060/A000

On a Laurent-type theorem for a...

tinuously differentiable, and $F_{i\sigma}$ is continuously differentiable. Theorem: If f_1, f_2, \dots, f_{2k} ($k < n$) are integrals of the system (1), then the integral

$$\sum_{v_1, \dots, v_k}^{1, n} \frac{\partial(f_1, f_2, \dots, f_{2k})}{\partial(q_{v_1} \dots q_{v_k} p_{v_1} \dots p_{v_k})} + \\ + \int \sum_{v_1, \dots, v_k}^{1, n} \sum_{\sigma=1}^s \sum_{i=1}^{r_\sigma} \sum_{j=1}^{2k} (f_j H_{i\sigma}) x \\ \times \frac{\partial(f_1, \dots, f_{j-1}, F_{i\sigma} f_{j+1} \dots f_{2k})}{\partial(q_{v_1} \dots q_{v_k} p_{v_1} \dots p_{v_k})} dt_\sigma = C$$

also holds, where

$$(f_j H_{i\sigma}) = \sum_{v=1}^n \left(\frac{\partial t_j}{\partial q_v} \frac{\partial H_{i\sigma}}{\partial p_v} - \frac{\partial f_j}{\partial p_v} \cdot \frac{\partial H_{i\sigma}}{\partial q_v} \right).$$

[Abstracter's note: Complete translation]

N. I. Mozherova

Card 2/2

S/166/61/000/004/002/007
B112/B102

AUTHOR: Saydamatov, M.

TITLE: Extension of a Pfaffian system of equations according to
Liouville

PERIODICAL: Akademiya nauk Uzbekskoy SSR. Izvestiya. Seriya fiziko-
matematicheskikh nauk, no. 4, 1961, 12 - 18

TITLE: The author transforms the Pfaffian system of equations:

$$dx_v = \sum_{\sigma=1}^s a_v^\sigma(x_1, \dots, x_n, t_1, \dots, t_s) dt_\sigma \quad (v = 1, \dots, n) \quad (3)$$

into a canonical system of equations:

$$dx_v = \sum_{\sigma=1}^s \frac{\partial H}{\partial u_v} dt_\sigma \quad (v = 1, \dots, n) \quad (5)$$

$$du_v = - \sum_{\sigma=1}^s \frac{\partial H}{\partial x_v} dt_\sigma$$

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S/166/61/000/004/002/007
B112/B102

Extension of a Pfaffian system of ...

with the aid of a transformation:

$$H_\sigma = \sum_{\gamma=1}^n a_\gamma^\sigma u_\gamma \quad (\sigma = 1, \dots, s)$$

This is made in analogy to a transformation by Liouville of a system of ordinary differential equations. The author demonstrates that the canonical system (5) is completely integrable. According to I. S. Arzhanykh (UMN, 1953, t. VIII, No. 3(55)), it therefore permits the

application of the Poisson integration method: if

$$f_1(x_1, \dots, x_n, u_1, \dots, u_n, t_1, \dots, t_s) = C_1,$$

$$f_2(x_1, \dots, x_n, u_1, \dots, u_n, t_1, \dots, t_s) = C_2$$

f₂(x₁, ..., x_n, u₁, ..., u_n, t₁, ..., t_s) = C₂
are integrals of (5), then also (f₁, f₂) = 0 is an integral of (5). The

author further shows that the system (3) extended by the system

$$d\delta x_\gamma = \sum_{\sigma=1}^s \sum_{\mu=1}^n \frac{\partial a_\gamma^\sigma}{\partial x_\mu} \delta x_\mu dt_\sigma \quad (\gamma = 1, \dots, n)$$

d^δx_γ = ∑_{σ=1}^s ∑_{μ=1}ⁿ ∂a_γ^σ / ∂x_μ δx_μ dt_σ (γ = 1, ..., n)

is completely integrable. M. F. Shul'gin (Trudy SAGU, no. 144, Ser.

Card 2/3

S/166/61/000/004/002/007

B112/B102

Extension of a Pfaffian system of ...

fiz.-mat. nauk, Tashkent, 1953, p. 18.) is mentioned. There are 4 Soviet references.

ASSOCIATION: Institut matematiki im. V. I. Romanovskogo AN UzSSR
(Institute of Mathematics imeni V. I. Romanovskiy AS
Uzbekskaya SSR) ✓

SUBMITTED: February 7, 1961

Card 3/3

LEYN, S.; SOLOVEY, M.; SAYDASHEV, G.; SAPOGOVA, A.; STOROZHENKO, G.,
red.

[Introduction of the continuous line method for the processing of fabrics in the finishing workshops of the "Rigas tekstils" Woolen and Worsted Factory. Application of ultrasonic waves in the cooking of oil lacquer for leather manufacture. [By] G.Saidashev. Improving the quality of chrome leather straps for the drafters of spinning machinery. [By] A.Sapogova] Vvedenie lentochnogo metoda obrabotki tkani v
otdelochnoi proizvodstve na kamvol'no-sukonnoi fabrike
"Rigas tekstils." Primenenie ul'trazvuka v tekhnologii varki
maslianogo laka dlja kozincevеннogo proizvodstva. [By] G.Saidashev.
Povyshenie kachestva khromovykh remeshkov dlja vytiazhnykh pri-
borov priadil'nykh mashin; legkai' promyshlennost'. [by] A.Sa-
pegova. Riga, TSentr. biuro tekhi. informatsii, 1962. 13 p.
(MIRA 17:10)

L 63614-65 EWT(d) Pg-4 IJP(c)
ACCESSION NR: AT5012461

UR/3151/64/000/001/0093/0103

15
BFI

AUTHOR:

Saydashev, L. M.

TITLE:
equations

One method of numerical integration of differential

SOURCE:

AN UzSSR. Institut mekhaniki i Vychislitel'nyy tsentr.
Voprosy vychislitel'noy matematiki i tekhniki, no. 1, 1964, 93-103

TOPIC TAGS: differential equation, numerical integration, Taylor
series, approximate calculation

ABSTRACT: The proposed method consists in specifying the degree
of accuracy of the solution, and obtaining the necessary intervals
at a function of the accuracy. In this method the successive terms
of the Taylor series, which expresses the unknown function, are cal-
culated not as functions of the finite differences of different orders
of the first derivative functions, but as functions of derivatives of
various orders of this function. This means that the first term of
the Taylor series is used first to determine its second term with the

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ACCESSION NR: AT5012461

required degree of accuracy, then the third, fourth, etc., each with the specified degree of accuracy. The calculations continued until a term was reached which can be neglected at the specified degree of accuracy. It is shown that the proposed method eliminates some difficulties involved in earlier methods, involves a minimum of computation formulas, and makes it easy to disclose random errors. Original article has: 23 formulas

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: MA

NR REF SOV: 013

OTHER: 001

Card 2/2
llc

L 63910-65 EWT(d) IJP(c)

ACCESSION NR: AR5018968

UR/0044/65/000/007/B099/B100

518:517.91/.94

15

B

SOURCE: Ref. zh. Matematika, Abs. 7B490

AUTHOR: Saydashev, L. M.

65

TITLE: An efficient computation procedure based on a numerical method for integration of differential equations

16, 65

CITED SOURCE: Tr. Samarkandsk. un-ta, vyp. 151, 1964, 108-123

65

TOPIC TAGS: differential equation, numeric integration, successive approximation

TRANSLATION: The essence of numerical integration by the method of successive approximations is set forth in a previous paper by the author (*RZhMash.*, 1965, 4B595). In this article, computational formulas are derived to determine differences in the calculation of successive approximations. Practical techniques are offered to guarantee the required degree of accuracy. An effective method is proposed for numerical integration to a given degree of accuracy of the equation $y' = f(x, y)$ for given x_0, y_0 , and h . Numerical examples are presented. Bibliography: 15 titles. One table. I. Shelikhova

SUB CODE: MA

Card 1/1 file

ENCL: 00

L 21009-66 EWT(d)/T IJP(c)

ACCESSION NR: AR5018963

UR/0044/65/000/007/B054/B054
517.946

6
B

SOURCE: Ref. zh. Matematika, Abs. 7B246

AUTHOR: Saydashev, L. M.

TITLE: The construction of Green's function for a Dirichlet problem for a sphere by the least squares method

CITED SOURCE: Tr. Samarkandsk. un-ta, vyp. 151, 1964, 124-126

TOPIC TAGS: Dirichlet problem, Green function, boundary value problem, potential theory, approximation method

TRANSLATION: It is shown that Green's function $G(P, Q) = G(x, y, z, \xi, n, t)$ relative to the point $Q(\xi, n, t)$ of the sphere τ is defined by the condition

$$\Delta_\sigma G = 0 \text{ on } \partial\tau, G|_{\partial\tau} = -\frac{1}{r_{PS}},$$

where σ is the surface of sphere τ of radius R , S is an arbitrary point on the surface, and $P(x, y, z)$ is a fixed point. An approximate solution is given in the

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L 21009-66

ACCESSION NR: AR5018963

form

$$G_n(P, Q) = \sum_{k=0}^n a_k S_k,$$

where S_k are spherical functions. A condition of the method of least squares is used to determine the unknown coefficients a_k . V. Tret'yakov

SUB CODE: MA

ENCL: 00

Card 2/2

BAHU, A.V.; SAYDASHEVA, D.K.

Efect of the amount of food reinforcement on the number of conditioned reflexes in experiments with rabbits. Trudy Inst.fiziol.
8:114-121 '59. (MIRA 13:5)

1. Laboratoriya srovnitel'noy fiziologii vysshey nervnoy deyatelnosti (zaveduyushchiy - B.V. Pavlov) Instituta fiziologii im. I.P. Pavlova AN SSSR.

(CONDITIONED RESPONSE)

SAYDASHEVA, Kh.G.

Observations of the ability of purified adsorbed diphtheria anatoxin
to cause reactions. Zhur.mikrobiol.epid. i immun.29 no.3:128
Mr '58. (MIRA 11:4)

1. Iz Kazanskogo instituta epidemiologii, mikrobiologii i gigiyeny.
(DIPHTHERIA)

SAYDASHEVA, Kh. G.

17 (3, 6)

SOV/16-60-A-8/47

AUTHOR: Alatyrtseva, I.Ye., Nemshilova, M.A., Khisamutdinov, A.B., Saydasheva,
Kh. G., Amfiteatrova, N.P., Melnikova, V.K., and Koldasova, R.Z.

TITLE: A Study of the Reactogenicity of Pertussis-Diphtheria Vaccine

PERIODICAL: Zhurnal mikrobiologii, epidemiologii i imunobiologii, 1960, Nr 4,
pp 38 - 39 (USSR)

ABSTRACT: The authors summarize the data on the reactogenicity of pertussis-diphtheria vaccine, derived from mass immunization with such vaccine prepared by the Institut mikrobiologii i epidemiologii imeni Gamalei AMN SSSR (Institute of Microbiology and Epidemiology imeni Gamaleya of the AMN, USSR) at Zelenodolsk in the Tatar ASSR. Most of the reactions in children immunized with the vaccine were weak (30.6%) or mild (32.3%). After the second and third inoculation, the percentage of children with a general reaction declined. Most of the children who did react showed a weak general reaction. Local reactions were more common than general ones. Most of the children who reacted did so with a weak (49.6%) or moderate (51.5%) local reaction. After the second and third inoculation the percentage of children with a local reaction dropped. The reactogenicity of the vaccine varied

Card 1/2

ASSOCIATION: Kasanskij institut epidemiologii i gigienny (Institute of Epidemiology and Hygiene, Kazan')

SUBMITTED: June 16, 1959

Card 2/2

ALATYRTSEVA, I.Ye.; NEMSHILOVA, N.A.; KHISAMUTDINOV, A.G.; SAYDASHEVA,
Kh.G.; AMFITEATROVA, N. F.; MEL'NIKOVA, V.K.; KOLOSOVA, R.K.

Study of the reactions caused by a whooping cough-diphtheria vaccine.
Zhur. mikrobiol. epid. i immun. 31 no. 4:34-39 Ap '60.
(MIRA 13:10)

1. Iz Kazanskogo instituta epidemiologii i gigiyeny.
(WHOOPING COUGH) (DIPHTHERIA)

FEDORENKO, L.I.; SAYDASHEVA, Kh.G. (Kazan')

Studying an outbreak of diphtheria in a village; abstract. Kaz.
med. zhur. no.1:112-113 Ja-F'61 (MIRA 16:11)

SAYDASHEVA, Kh.G.

Immunological effectiveness of purified adsorbed diphtheria
anatoxin. Vop. okh. mat. i det. 7 no.4:32-34 Ap '62. (MIRA 15:11)

1. Iz Kazanskogo nauchno-issledovatel'skogo instituta epidemiologii,
mikrobiologii i gigiyeny (dir. - dotsent I.Ye.Alatyrtseva, nauchnyy
rukovoditel' - prof. A.E.Ozol).
(DIPHTHERIA)

SAYDENOV, G.B.

Basis of the formula of the air permeability of fabrics.
Izv. vys. ucheb. zav.; tekhn. tekst. prom. no.1:9-15 '64.
(MIRA 17:5)
1. Moskovskiy tekstil'nyy institut.

34 YDLOVIT, T.
CZECHOSLOVAKIA/Physiology of Plants. Growth and Development.

I-5

Abs Jour: Ref. Zhur-Biol., No 1, 1958, 1193.

Author : Saydlova, F., Martinovskaya, A.

Inst :

Title : The Development of Millet Growth Buds in Connection with
Its Photoperiodic Sensitivity.

Orig Pub: Folia biol., 1957, 3, No 2, 120-128.

Abstract: No abstract.

Card : 1/1

-6-

BABAYEVA, Nina Fedorovna; YEROFEEV, Valentin Mikhaylovich; SIVOKONENKO,
Igor' Mikhaylovich; KHOVANSKIY, Yuriy Mikhaylovich; YAVLENSKIY,
Konstantin Nikolayevich; SHCHERBAKOV, Yu.A., inzh., retsenzent;
SAYDOV, A.A., doktor tekhn.nauk,, retsenzent; SLIV, B.I., kand.tekhn.
nauk, retsenzent; KOPTYAYEV, P.P., kand.tekhn.nauk, nauchnyy red.;
ORLOV, V.P., inzh., nauchnyy red.; NIKITINA, M.I., red.; TSAL, R.K.,
tekhn.red.

[Parts and elements of gyroscopic instruments] Detali i elementy
giroskopicheskikh priborov. By N.F.Babaeva i dr. Leningrad,
(MIRA 15:5)
Sudpromgiz, 1962. 497 p.
(Gyroscopic instruments)

SOV/124-57-8-8593

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 8, p 6 (USSR)

AUTHOR: Saydov, P. I.

TITLE: On Acceleration Effects in Pendulum Systems (K voprosu o
vliyanii uskorenii na mayatnikovyye sistemy)

PERIODICAL: Izv. Leningr. elektrotekhn. in-ta, 1955, Nr 28, pp 47-55

ABSTRACT: The author attempts to give a critical evaluation of the "Schuler principle" widely used in the theory of gyroscopic phenomena. He utilizes therein, as an example, an examination of the motion of a gyroscopic pendulum, the point of suspension of which moves in an arbitrary manner over the surface of the Earth. Remaining within the framework of linear theory, the author investigates the equations obtained and concludes that the "Schuler principle" is inconsistent relative to any arbitrary pendulum system. He then adduces particular cases of the motion of pendulum systems in which the "Schuler principle" does obtain. Ref. also RZhMekh, 1957, abstracts 5142 and 8592; Prikl. matem. i mehanika, 1957, Vol 21, Nr 1.

M. Ye. Temchenko

Card 1/1

SAYDOV, P.I.

PAVLOV, V.A., kandidat tekhnicheskikh nauk, detsent; TUNIMANOV, A.Z., inzhener; ANTONOV, A.K., inzhener; GUSHCHINA, I.M., inzhener; RIVKIN, S.S., doktor tekhnicheskikh nauk; SAYDOV, P.I.. kandidat tekhnicheskikh nauk, detsent; PEL'POR, D.S., doktor tekhnicheskikh nauk, professor; BYABOV, B.L., doktor tekhnicheskikh nauk, professor; TIKHMENEV, S.S., doktor tekhnicheskikh nauk, professor; FRIDLUNDER, G.O., doktor tekhnicheskikh nauk, professor; CHISTYAKOV, N.I., doktor tekhnicheskikh nauk, professor.

Can V.A. Pavlov's book "Aircraft gyroscope instruments" be recommended for use as a textbook? Priborostroenie no.1:29-31 Ja '57.
(MIRA 10:4)

1. Chlen pravleniya Leningradskogo otdeleniya nauchnogo inzhenerno-teknicheskogo obshchestva priborostroitel'noy promyshlennosti (for Tunimanov).
2. Chlen pravleniya Vsesoyuznogo nauchnogo inzhenerno-teknicheskogo obshchestva priborostroitel'noy promyshlennosti (for Gushchina).
3. Moskovskoye Vyssheye tekhnicheskoye uchilishche imeni Baumana (for Pel'por, Tikhmenev).
4. Moskovskiy aviationsionnyy institut imeni Serge Ordzhonikidze (for Byabov).
5. Voyenno-vozdushnaya inzhernernaya akademiya imeni N.Ye. Zhukovskogo (for Chistyakov)
(Gyroscope)

SOV/112-59-18-38929

Translation from: Referativnyy zhurnal, Elektrotehnika, 1959, Nr 18, p 135 (USSR)

AUTHOR: Saydov, P.I.

TITLE: Stability of Motion of Power Gyroscope Stabilizers

PERIODICAL: Izv. Leningr. elekrotekhn. i-ta, 1958, Nr 34, pp 79 - 87

ABSTRACT: The stability of motion of a triaxial gyrostabilizer for two possible operating conditions is analyzed: 1) the angles of discordance of the stabilization axes and suspension are negligibly small; 2) the angles of discordance should not be neglected. The investigation of the stability of motion for the first condition is carried out by the frequency method. The stability of motion for the second condition is investigated with the aid of the Berendeyev - Sindzh criterion, which examines the behavior in time of the vector of perturbation from the moment of applying the perturbation. 2 figures, 2 references.

A.I.G. ✓

Card 1/1

SAYDOV, Pavel Ivanovich, doktor tekhn.nauk, prof.; SLIV, Elya Izrailevich;
CHERKOV, Rafaил Isaакovich; GOLUBEVA, N.P., red.;
KOROVENKO, Yu.N., tekhn.red.

[Applied theory of gyroscopes] Voprosy prikladnoi teorii gi-
roskopov. Pod red. P.I.Saidova. Leningrad, Gos. soiuznoe izd-
vo sudostroit. promyshl., 1961. 426 p. (MIRA 15:3)
(Gyroscope)

SAYDOV, Pavel Ivanovich, prof.; SOLOV'YEV, M.V.; ODINTSOV, A.A.;
KELAREV, L.A., tekhn. red.

[Practical work in a gyroscopic laboratory; textbook for
laboratory work] Prakticheskie zaniatiia v giroskopicheskoi
laboratorii; posobie k laboratornym rabotam. Pod red. P.I.
Saidova. Leningrad, Leningr. elektrotekhn. in-t im. V.I.Ul'-
ianova (Lenina). 1962. 121 p. (MIRA 15:5)
(Gyroscope)

ODINTSOV, Anatoliy Alekseyevich; RYABOV, B.A., prof., retsenzent;
NIKITIN, Ye.A., dots., retsenzent; SHESTOV, S.A., assist.,
retsenzent; SAYDOV, P.I., prof., red.; KHRUSTALEVA, N.I.,
red. izd-va; MURASHOVA, V.A., tekhn. red.

[Desgin of electrical elements of gyroscopic devices] Pro-
ektirovaniye elektroelementov giroskopicheskikh ustroistv.
Moskva, Vysshiaia shkola, 1962. 190 p. (MIRA 15:12)
(Gyroscope)

L 60155-65 EED-2/EEO-2/EEC(k)-2/ENG(v)/EWA(c)/EWI(d)/FIS-2 Pa-5/Po-4/Pq-4/PE-14
ACCESSION NR: AT5012622 Pn-4/Po-4/Pq-4 BC UR/3074/63/000/048/0090/0109

AUTHOR: Saydov, P. I. (Doctor of technical sciences, Professor); Sliv, E. I. (Candidate of technical sciences, Docent)

TITLE: Gyroscopic orientators

SOURCE: Leningrad. Elektrotekhnicheskiy institut. Izvestiya, no. 48, 1963, 90-109

TOPIC TAGS: gyroscope, gyroscopic orientation, gyro vertical, gyro correction, gyro inertial system, integral correction, radial correction

Annotation of an earlier paper by the authors (Izvestiya)

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Card 1/2

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CIA-RDP86-00513R001447510005-4"

L 60259-65

ACCESSION NR: A15012822

since certain essential conditions cannot be satisfied. This makes it necessary to use inertial navigation systems with integral corrections. A system with azimuthal

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nical Institute)

SUBMITTED: 00Jan62

ENCL: 00

SUB CODE: NO

NR REF SOV: 005

OTHER: 001

MC
Card 2/2

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001447510005-4"

SAYDOV, Pavel Ivanovich. Prinimal uchastiye ODINTSOV, A.A.,
dots.; TITOVA, V.A., red.

[Theory of gyroscopes] Teoriia giroskopov. Moskva, Vys-
shaia shkola. Pt.1. 1965. 469 p. (MIRA 18:7)

SHTEYN SHLEYGER, S.; SAYDAKOVSKIY, Ya.

Business accounting of Soviet firms and bank control through
the ruble. Den. i kred. 20 no. 11:13-19 N '62.
(MIRA 16:1)

(Finance)

SAYDULLAYEV, B.; BONDARENKO, M.N., red.; ABBOSOV, T., tekshred.

["Kommunizm" Collective Farm in the Golodnaya Steppe;
Yangi-Er District, Tashkent Province] Golodnostepskii
kolkhoz "Kommunizm"; Gor.Iangu-Er, Tashkentskoi oblasti.
Tashkent, Gos.izd-vo Uzbekskoi SSR, 1960. 28 p.

(MIRA 14:3)

(Yangi-Er District--Collective farms)

SAYDULLAYEV, Bakhadir Rykhsiyevich; RAKHMANOVA, R., red.

[Large crops under any conditions] Vysokii urozhai pri
liubykh usloviakh. Tashkent, Uzbekistan, 1964. 39 p.
(MIRA 18:3)

SAYDULLAYEV, S.

Mechanical cottonseed loader. Tekst.prom. 20 no.1:69-70
Ja '60. (MIRA 13:5)

1. Nachal'nik remontno-mekhanicheskogo tsekha Ferganskogo khlopkosa-
voda №.1/3. (Cottonseed) (Loading and unloading)

NEKAYEV, P.; SAYECHNIKOV, I. (Semenov, Gor'kovskoy obl.); NIZAMEYEV, M.
(Kazan'); VOSHKULAT, I.

From the mailbox. Mest.prom. i khud.promys. 4 no.4:36 Ap
'63. (MIRA 16:10)

1. Predsedatel' obshchestvennogo soveta bytovogo kombinata,
Shakhun'ya Gor'kovskoy oblasti.

MOSHONKIN, Nikolay Petrovich; ZHUK, David Stepanovich;
SAYECHNIKOV, Vitaliy Grigor'yevich; GRYZLOV, N.N., red.

["Komilesprom" machine units based on the MAZ and ZIL
motor vehicles] Agregatnye mashiny "Komilesprom" na baze
avtomobilei MAZ i ZIL. Moskva, Izd-vo "Lesnaia promysh-
lennost', " 1964. 101 p. (MIRA 17:8)

L 14961-63

EWP(q)/EWT(m)/BDS AFFTC/ASD JD/JG

ACCESSION NR: AP3003680

S/0186/63/005/003/0290/0294

56

AUTHORS: Sayed, Abdel; Gavad; Lapitskiy, A. V.; Rudenko, N. P.

TITLE: Analysis of thorium extraction by benzohydroxamic acid

SOURCE: Radiokhimiya, v. 5, no. 3, 1963, 290-294

TOPIC TAGS: thorium, benzohydroxamic acid, hexanol

ABSTRACT: The extraction of thorium with hexanol in the presence of benzohydroxamic acid has been studied. It was shown that the maximum extraction was possible at a pH of 5.2 with a yield of about 98%. The formed compound of thorium and benzohydroxamic acid $\text{Th}(\text{NO}_3)_4 \cdot 2\text{HR}$ was determined by extraction method with hexanol. For the comparison with the above extraction, thorium-benzohydroxamic acid compound was precipitated and extracted from an aqueous solution at a pH of about 7. The formed compound is confirmed by thermogravimetric analysis. The kinetics of its thermal decomposition have been established. A colorimetric method has been developed for the determination of benzohydroxamic acid by means of sodium vanadate which forms a colored complex with VO_3^- . "The authors express their gratitude to L. G. Vlasov for his help and valuable suggestions." Orig. art. has: 6 graphs.

Card 1/2

L 22393-66 EWT (n)
ACC NR: AP6013975

$EWT(n)/EPF(n) = 2/EWP(t)$ IJP(c) JD/MW/JG

c) JD/WW/JG

SOURCE CODE: UR/0189/65/000/002/0025/0029

40

AUTHOR: Lapitskiy, A. V. (Deceased); Rudenko, N. P.; Sayed, Abdel' Gavad

B

ORG: Department of Radiochemistry, Moscow State University (Kafedra radiokhimii
Moskovskogo gosudarstvennogo universiteta)

TITLE: Extraction of thorium, protactinium, uranium, and neptunium with the aid of hydroxylamine derivatives

SOURCE: Moscow. Universitet. Vestnik. Seriya II. Khimiya, no. 2, 1965, 25-29

TOPIC TAGS: thorium, protactinium, uranium, neptunium, hydroxylamine, nonmetallic organic derivative

ABSTRACT: A description is given of the results of investigations on the extraction of thorium, protactinium, uranium and neptunium with the aid of hydroxylamine derivatives. Benzoyl hydroxylamine, N-benzoylphenyl hydroxylamine and N-nitrosonaphthyl hydroxylamine were used. Thorium-234, protactinium-233, neptunium 239 and uranium in its natural isotope mixture were used. Hexanol and chloroform were used as the organic phase. It was found that the behaviour of the elements in extraction under the experimental conditions was different. Their reactions to changing solution pH varied considerably. Orig. art. has: 3 figures. [JPRS]

SUB CODE: 07 / SUEM DATE: 06Jun64 / ORIG REF: 004 / OTH REF: 005

Card 1/1d^{da}

L 44279-65 EWT(m)/EPF(n)-2/EWP(t)/EWF(b) Pu-4 IJP(c) UD/HW/JG

S/0186/65/007/001/0032/0033

21
B

ACCESSION NR: AP5008003

AUTHOR: Rudenko, N. P.; Sayed, A. G.; Lapitskiy, A. V.

TITLE: Separation of thorium and protactinium by extraction

SOURCE: Radiokhimiya, v. 7, no. 1, 1965, 32-33

TOPIC TAGS: protactinium, thorium, uranium, chemical separation, N-benzoylphenylhydroxylamine, neocupferron

ABSTRACT: The purpose of the present work was to develop separation methods for thorium and protactinium by extraction of the latter with the cupferron analogs: N-benzoylphenylhydroxylamine and neocupferron. Under the conditions employed protactinium is completely extracted by 0.1 M benzoylphenylhydroxylamine while thorium are completely retained in the aqueous phase (see fig. 1 of the En-

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001447510005-4

Card 1/3

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001447510005-4"

L 44279-65

ACCESSION NR: AP5008003

Orig. art. has: 2 figures.

ASSOCIATION: none

SUBMITTED: 14Feb64

NO REF SOV: 002

ENCL: 01

SUB CODE: IC, OC

OTHER: 002

Card 2/3

SAYENKO, A. D.

Jul 49

USSR/Chemistry - Silanofibrl
Urea-Formaldehyde Preparations

"Silicoorganic High-Molecular Compounds Produced From Orthosilicon Acid and the Products
of the Condensation of Urea Mixed With Formaldehyde," A. P. Kreshkov, G. S. Petrov,
A. D. Sayenko, Moscow Ord of Lenin Chemicotechnol Inst imeni D. I. Mendeleev, 54 pp

"Zhur Prik Khim" Vol XXII, No 7

Prepared modified urea-formaldehyde resins by combining urea-formaldehyde resins with
polyethoxypolysiloxanes, and investigated their properties. Submitted 18 Jan 49.

PA 66/49T11

SAYENKO, A.D.

PLATE 1 BOOK EXTRACTION 50V/414

Samolotnoye elektrooborudovaniye sportnik staty, No 1 (AER-

ochnye)

elektric. equipment; Collection of Articles, No 1).

Kharkov, Oboronizdat, 1960. 106 p. Errata slip inserted.

3,000 copies printed.

General Ed.: A. P. Peosseyev. Candidate of Technical Sciences;

Ed. of Publishing House: K. I. Orlitskaya, Engineer.

Kostin, Managing Ed.: A. S. Zarubinaya, Engineer.

PURPOSE: This book is intended for engineers engaged in designing and operating aircraft electrical equipment. It may also be of interest to those working in the electrical industry, and to teachers, instructors, and students in electrical engineering schools of higher and secondary education.

CONTENTS: The book is a collection of 9 articles dealing with problems in designing, calculating and operating aircraft electrical equipment, regulators, incandescent and electric heating, etc. The author heat-resistant coatings, etc.

63

Roskov, A. V. and V. M. Rubtsova. A Method for Constructing Automatic Control Systems With Almost Optimal Transient

Conditions.

Roskov, A. V. and V. M. Verzhilovich. Instrument for Measuring To-

Quantity of Electricity, Energy and Arcing Period.

Roskov, A. V. and D. R. Reznik. Experience Gained in

Using Chemical Melting Agents in the Use of Chemical Melting Agents

79

Jalilov, A. D. and S. F. Shukay. Use of Epoxide Resins as

Sealing and Impregnating Compounds.

83

Ivanova, L. S. and A. P. Yashl'yanova. Determination of

Maximum Allowable Operational Temperatures for Glass Testo-

92

lites

AVAILABLE: Library of Congress

Card 3/3

10-18-60
fsc

SAYENKO, A.D.; SHAKAY, S.F.

Using epoxy resins as filling and impregnating compounds.
Sam.elektr. no.l:83-91 '60. (MIRA 14:3)
(Resins, Synthetic) (Electric insulators and insulation)

SAYENKO, A. I.

Sayenko, A. I. "Indications for slow blood transfusion," (Extract from a candidate's dissertation), Sbornik nauch. rabot evakogospitaley i Kafedry obshchey chirurgii (Irkut. obl. otd. zdravookhraneniya. Irkut. gos. med. in-t), (Irkutsk), 1948, p. 149-62

SO: U-2888, Letopis Zhurnal'nykh Statey, No. 1, 1949

SAYENKO, A. I.

28001. SAYENKO, A. I. -- lecheniye lozhnykh sostavov ognevral'nogo proiskhozhdeniya.
Trudy pervoy nauch. Mezhdunarodnoi konf-konferentsii po lecheniyu invalidov otechestva. Voyny v
sred. Azii. Tashkent, 1949, s. 225-32.

SO: Letopis' Zhurnal'nykh Statey. Vol. 37, 1949.

SAYENKO, A. I.

28000. SAYENKO, A. I. -- K lecheniju amputatsionnykh kul'tey. Trudy pervoy nauch. Mezhresp. Konf-tsii po lecheniyu invalidov otechestv. Voyny v sred. Azii. Tashkent, 1949, S. 337-42.

SO: Letopis' Zhurnal'nykh Statey. Vol. 37, 1949.

SAYENKO, A. I.

21419 SAYENKO, A. I. Nestnaya anesteziya v khirurgii bryushnoy polosti v mirnoye i
voyennoye vremya. Zdravookhraneniye Kazakhstana, 1949, No. 3, S. 13-16.

SO: Letopis, No. 32, 1949.

SAYENKO, A.I.

Penicillin treatment of acute purulent peritonitis. Izv.AN Kazakh.
SSR. Ser.khir. no.3:3-26 '51. (MLRA 9:8)
(PERITONITIS) (PENICILLIN)

1. ZAKRZHEVS'KYI, IE. B., Docent; FERLINA, R. IE.; SAYENKO, A. I.
2. USSR (600)
4. Influenza
7. Changes in the blood and bone marrow in grippe, Medych. zhur., 22, no. 1, 1952.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

SAYENKO, A. I., prof.

Characteristics of shock appearing in wounds of the abdominal cavity.
Voen.med.zhur. no.12:13-17 D'57

(MIRA 11:5)

(ABDOMEN, wounds and injuries,
causing shock (Rus))
(SHOCK, etiology and pathogenesis,
abdom.wds. (Rus))

SAYENKO, A.I., professor (Frunze)

Characteristic of accidents in rural regions of Issyk-Kul Province,
Kirghiz S.S.R. Ortop., travm. i protez. 18 no.1:68-69 Ja-P '57.
(MLRA 10:6)

(ISSUK-KUL PROVINCE--AGRICULTURE--ACCIDENTS)

SAYENKO, A. I., prof.

Technic for restoring the continuity of the digestive tract after
gastrectomy. Vest. khir. no.2:46-48 '62. (MIRA 15:2)

1. Iz Kirgizskogo nauchno-issledovatel'skogo instituta onkologii
i radiologii (dir. - prof. A. I. Sayenko)

(STOMACH SURGERY)
(ALIMENTARY CANAL SURGERY)

SAYENKO, A.I., prof. (Frunze, Kirgizskoy SSR, ul.Sovetskaya,d.166,kv.6)

Complications in gastrectomies. Klin.khir. no.8:14-16 J1 '62.
(MIRA 15:11)

1. Kirgizskiy nauchno-issledovatel'skiy institut onkologii i
radiologii.

(STOMACH—SURGERY)

SAYENKO, A.I., prof.

Oncological aid and some problems of oncological incidence in
Kirghizistan. Sov. zdrav. Kir. no.6:3-7 N-D'62. (MIRA 16:6)

1. Iz Kirgizskogo nauchno-issledovatel'skogo instituta onkolo-
gii i radiologii (dir. - prof. A.I.Sayenko)
(KIRGHIZISTAN--ONCOLOGY)

SAYENKO, A.I., prof.

Eighth International Anticancer Congress. Sov. zdrav. Kir. no.6:
54-58 N-D'62. (MIRA 16:6)
(CANCER—CONGRESSES)

SAYENKO, A.I.

State and prospects for the development of the oncological
service in Kirghizistan. Sov. zdrav. Kir. no.4/5:27-32
(MIRA 17:1)
Jl-0'63

1. Iz Kirgizskogo nauchno-issledovatel'skogo instituta onko-
logii i radiologii (dir. - prof. A.I. Sayenko).

SAYENKO, A.I. (Frants, ul. Sovetskaya, d.166, kv.6)

Experienced in the treatment of disseminated stomach cancer.
(MIRE 17:9)
Vop. onk. 9 no.9:89-92 '63.

1. Iz Kirgizskogo nauchno-issledovatel'skogo instituta
onkologii i radiologii (dir.- prof. A.I. Sayenko).

SAYENKO, A.I., prof.

Reported surgery for cancer of the stomach. Vest. khir. 9:
no.12:3-7 D '64. (M.RA 18:5)

in Kirgizskogo nauchno-issledovatel'skogo instituta onkologii
i radiologii (dir. - prof. A.I.Sayenko).

ACC NR: AP7001932

SOURCE CODE: UR/0120/66/000/006/0022/0023

AUTHOR: Vagin, V. A.; Volodin, V. D.; Plyashkevich, N. N.; Sayenko, A. P.;
Semenyushkin, I. N.; Stepanyuk, V. L.ORG: Joint Institute of Nuclear Research, Dubna (Ob'yedinennyj institut yadernykh
issledovaniy)TITLE: System for multiple acceleration of an electrodynamic separator of high-
energy particles

SOURCE: Pribory i tekhnika eksperimenta, no. 6, 1966, 22-25

TOPIC TAGS: particle beam, proton accelerator

ABSTRACT: A system for multiple acceleration of high-energy particles is described.
The system recaptures protons in multiple frequency ($q = 100$) acceleration conditions previously accelerated to maximal energy and continues their acceleration for 15–20 μ sec. The system consists of a coaxial resonator, hf units, a pulse modulator, and a resonizer. The frequency of the multiple acceleration is 149.520 μ c and the pulse duration is 15–20 μ sec. A 70% coefficient of proton recapture at beam energy $E = 10$ Gev, energetic spread $\Delta E = \pm 1.7$ Mev, and amplitude of the accelerating voltage in the resonator $V_r = 70$ kv was obtained during testing

Card 1/2

UDC: 539.1.076:621.384.6

ACC NR: AP7001932

of the system on a proton synchrotron at the Joint Institute of Nuclear Research. Orig. art. has: 4 figures and 2 formulas.

SUB CODE: 20/ SUBM DATE: 12Nov65/ ORIG REF: 005/ ATD PRESS: 5111.

Card - 2/2

SAYENKO, A.S.

Alpha-1,6-dextran glycosidase in human organs. Problem' genat.
i perel. krovi 8 no.8: 57-59 Ag '63. (MIRA 17:8)

1. Iz laboratorii klinicheskoy khimii i biokhimii uglevodnogo
obschego (zav. - doktor biolog. nauk Ye.L. Rozenfel'd) Insti-
tuta biologicheskoy i meditsinskoy khimii (dir. - deystvital'-
nyy chlen AMN SSSR prof. V.N. Orekhovich).

ROZENFEL'D, Ye.L.; SAYENKO, A.S.

Cleavage of dextran by β (1,6) dextranglucosidase of the liver in vivo. Biokhimiia 28 no.3:552-557 My-Je '63. (MIRA I7:2)

1. Laboratory of Clinical and Carbohydrate Chemistry, Institute of Biological and Medical Chemistry, Academy of Medical Sciences of the U.S.S.R., Moscow.

SAYENKO, A.S.

Study of dextran metabolism in the liver. Vop. med. khim. 10
no.1:36-39 Ja-F '64. (MIRA 17:12)

1. Institute of Biological and Medical Chemistry, Academy of
Medical Sciences of the U.S.S.R., Moscow.

SAYENKO, A.S.; LIVSHITS, A.B.; POLUSHINA, T.V.; ROZENFEL'D, Ye.L.

Break in the 1,3-bonds in dextran by enzymatic preparations
from animal and human liver. Dokl. AN SSSR 157 no.3:723-724
Jl '64. (MIRA 17:7)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR.
Predstavлено академиком Опариным.

FIALKO, Ye.I., prof. doktor; SAYENKO, A.V.

Radar observations of meteor activity in Tomsk according to
the International Geophysical Year program in 1957. Izv.
TPI 100:20-27 '62. (MIRA 18:9)

L 62845-65 EWT(1)/EWG(v)/EWA(d)/EEC+4 Pe-5/Pae-2 GW

ACCESSION NR: AR5017567

UR/0058/65/000/006/H046/H046

SOURCE: Ref. zh. Fizika, Abs. 6Zh317

AUTHORS: Sayenko, A. V.; Fialko, Ye. I

22
B

TITLE: Radar observations of meteor activity in Tomsk in accordance with the IGY program in 1958

CITED SOURCE: Tr. Tomskogo in-ta radicelektron. i elektron. tekhn., v. 3, 1964, 39-61

TOPIC TAGS: international geophysical year, ¹⁹ meteor radar observation, meteor number, meteor reflection

TRANSLATION: Results are reported of radar measurements of the number of meteors in accordance with the IGY program in Tomsk during 1958. More than 191,000 reflections were registered after 1240.5 hours of observation. The average number of meteors per hour was 153. The daily and seasonal variation of the number of meteors is given. The maximum of the daily variation occurs at 06 -- 07 hours,

Card 1/2

L 62845-65

ACCESSION NR: AR5017567

the minimum at 16 -- 20 hours. The maximum of the seasonal variation was recorded in December. Tables are presented of the number of meteors per hour during the entire period of observation. V. L.

SUB CODE: DC, ES

ENCL: 00

bab
Card 2/2

L 62847-65 EWT(1)/EWG(v)/EWA(d)/EEC-4 Pe-5/Fae-2 GW

ACCESSION NR: AR5017568 UR/0058/65/000/006/H046/H046

SOURCE: Ref. zh. Fizika, Abs. 6Zh318

AUTHORS: Sayenko, A. V.; Fialko, Ye. I.

TITLE: Radar observations of meteoric activity in Tomsk in accordance with the IGC program in 1959

CITED SOURCE: Tr. Tomskogo in-ta radioelektron. i elektron. tekhn., v. 3, 1964, 62-81

TOPIC TAGS: international geophysical cooperation, meteor radar observation, meteor activity, meteor reflection, meteor duration

TRANSLATION: Results are reported of radar measurements of the number of meteors in accordance with the IGC program in Tomsk during 1959. More than 343,200 reflections were registered after 22,020 hours of observation, including 43,000 reflections with duration $\tau \geq 1$ sec. Tables of the number of meteors per hour are presented for

Card 1/2

L 62847-65

ACCESSION NR: AR5017568

the entire period of observation. The average number of meteors per hour is 155. The seasonal variation of the number of meteors in 1958 and 1959 is presented. The maximum of the seasonal variation occurred in September in 1959 and in December in 1958. V. L.

SUB CODE: DC, ES

ENCL: 00

bca
Card 2/2

L 12983-66 FSS-2/EWT(1)/EWA(d) GW/WR

ACC NR: AR6000793

SOURCE CODE: UR/0169/65/000/009/A012/A012

SOURCE: Ref. zh. Geofizika, Abs. 9A65

AUTHOR: Sayenko, A. V.; Fialko, Ye. I.

TITLE: Basic data of records from the frequency of meteoric radio echoes in Tomsk
in the IGY-IGC-59 period

CITED SOURCE: Tr. Tomskogo in-ta radioelektron. i elektron. tekhn., v. 3, 1964,
36-38

TOPIC TAGS: meteor observation, radio echo, meteorology

TRANSLATION: Radar measurements of meteoric frequency in Tomsk were made from July
1957 to December 1959. The "TPI-2" radar unit which was used had the following
parameters: wave length $\lambda = 10$ m, pulse power of the transmitter approximately 100
kw, pulse duration 5 μ sec, prf 600 cps, every other pulse was double. The trans-
mitting and receiving antennas were half-wave dipoles located one-third of a wave-
length above the surface of the earth. More than 669,000 reflections from meteors
were observed in 4,000 hours, including 86,500 reflections with a duration equal to

Card 1/2

UDC: 523/53

L 12983-66

ACC NR: AR6000793

or greater than one second. The following data are given for each month during the entire period of observation: the time of the observation, the total number of recorded meteors and the number of meteors with $\tau > 1$ sec, the monthly average hourly values for the total number of meteors and meteors with $\tau > 1$ sec. A maximum of 249 meteors in one hour was recorded in August 1957, a minimum of 46 -- in June 1958. The average annual hourly numbers of reflections from meteors with $\tau > 1$ sec in 1957, 1958 and 1959 were 37, 17 and 19 respectively.

SUB CODE: 17,04

Card 2/2

L 2943-66 EWT(1) GW

ACC NR: AR5022998

SOURCE CODE: UR/0269/65/000/008/0047/0047

AUTHOR: Sayenko, A. V.; Fialko, Ye. I.27
B

TITLE: Radar observations of meteoric activities, conducted in Tomsk in 1958, in accordance with the IGY program

SOURCE: Ref. zh. Astronomiya, Abs. 8.51.422

REF SOURCE: Tr. Tomskogo in-ta radioelektron, i elektron, tekhn., v. 3, 1964, 39-61

TOPIC TAGS: astronomic data, meteor observation

ABSTRACT: In accordance with the IGY program, calculations of the number of meteors were made by radar in Tomsk, in 1958. The results are given as follows: more than 191,000 reflections were registered during the 1,240.5 hours of observations; the average hourly number of meteors was 153. The daily and seasonal number of meteor variation are given. The maximum daily variation was for 6 - 7 hours, the minimum for 16 - 20 hours. The maximum seasonal variation was registered in December. Tables showing the hourly numbers of meteors for the entire period of observation are given.

SUB CODE: 03/ SUBM DATE: none

Card 1/1 F

UDC 523.164.8

L 29444-66 EWT(1) GW

ACC NR: AR5022999

SOURCE CODE: UR/0269/65/000/008/0047/0047

28
B

AUTHOR: Sayenko, A. V.; Fialko, Ye. I.

TITLE: Radar observation of meteor^{1/2} activities, conducted in Tomsk in 1959, in accordance with the IGY program

SOURCE: Ref. zh. Astronomiya, Abs. 8.51.423

REF SOURCE: Tr. Tomskogo in-ta radioelektron. i elektron. tekhn. v. 3, 1964, 62-81

TOPIC TAGS: astronomic data, meteor observation

ABSTRACT: In accordance with the MGS (International Geophysical Union) program, calculations of the number of meteors were made by radar in Tomsk, in 1959. During the 2,220 hours of observation, more than 343,200 reflections were registered, including 43,000 reflections of a $\tau \geq 1$ sec. duration. Tables are given of the hourly number of meteors for the entire period of observation. The average hourly number of meteors was 155. The number of the seasonal travel of meteors in 1958 and 1959 is given. In 1959 the maximum seasonal travel was recorded in September; in 1958 - in December.

SUB CODE: 03/ SUBM DATE: none

UDC: 523.164.8

Card 1/1 FV

ACC NR: AT6033993

SOURCE CODE: UR/3227/64/003/000/0036/0038

AUTHOR: Sayenko, A. V.; Fialko, Ye. I.

ORG: none

TITLE: Principal results of recording the number of meteor radio echoes in Tomsk during IGY - IQSY

SOURCE: Tomsk. Institut radioelektroniki i elektronnoy tekhniki. Trudy, v. 3, 1964, 36-38

TOPIC TAGS: meteor observation, meteor detection

ABSTRACT: The results of radar observations of meteor activity in Tomsk during Jul 57 - Dec 59 are briefly reported. A TPI-2 special radar operated at 10-m wavelength with a pulse power of 100 kw; train frequency, 600 per sec; pulse duration, 5 msec; alternate pulses were doubled. Half-wave dipoles

Card 1/2

ACC NR: AT6033993

mounted at $\lambda/3$ height were used for transmission and reception. Over 669000 meteor radio echoes were recorded during 4000 hrs of observation; of these, 86500 echoes were over 1-sec long. Most echoes (80-85%) were from sporadic meteors and low-activity meteor streams. On the average, 168 echoes per hr were recorded; this number rose to 249 in Aug 57 and fell to 46 in Jun 58. Observation details are tabulated. Orig. art. has: 2 tables.

SUB CODE: 17, 04 / SUBM DATE: none

Card 2/2

SIDORENKO, Yu.P.; SAYENKO, D.P.

Efficiency promoter suggestions introduced at the "Nikitovskii" Combine.
(MIRA 16:2)
Ogneupory 28 no.3:141-142 '63.

1. Nikitovskiy dolomitnyy kombinat.
(Nikitovskii (Belgorod Province)—Refractories industry)

ANGELOV, S.A.; SAYENKO, D.V., redaktor; SHLENSKIY, I.A., tekhnicheskiy
redaktor.

[Tables of corrections for centering and reduction and coefficients
a and b of the equations of error] Tablitsy popravok za tsentri-
rovku i reduktsiu i koeffitsientov a i b uravnenii pogreshnostei.
2-e izd. Moskva, Izd-vo geodesicheskoi i kartograficheskoi lit-ry,
1953. 64 p.
(Triangulation) (Errors, Theory of)

B

SAYENKO, DMITRIY VASIL'

YERM'OV, Boris Pavlovich; ZAKATOV, Petr Sergeyevich; KUTUZOV, Mikhail
Nikiforovich; MURAVIN, Mark Mikhaylovich; SAYENKO, Dmitriy Vasil'-
yevich; TROITSKIY, Boris Vladimirovich; HUDSHEYN, M.L., redaktor;
POVALYAYEV, P.I., redaktor; KUZ'MIN, G.M., tekhnicheskij redaktor

[Geodesy] Geodeziia. Pod obshchei red. P.S.Zakatova. Moskva, Izd-
vo geodezicheskoi lit-ry. Pt. 1. 1954. 519 p. (MLRA 8:7)
(Geodesy)

SAYENKO, D.V.

YERMOLOV, B.P.; KUTUZOV, M.N.; MURAVIN, M.M.; SAYENKO, D.V., TROITSKIY, B.V.;
ZAKATOV, P.S., professor, doktor tekhnicheskikh nauk, redaktor;
RUDSHTEYN, M.L., redaktor; KUZ'MIN, G.M., tekhnicheskiy redaktor

[Geodesy] Geodeziia. Pod obshchei redaktsiei professoora doktora
tekhnicheskikh nauk P.S.Zakatova. Moskva, Izd-vo geodezicheskoi
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Pure cultures of yeasts used by the wine combine "Mazandra." O. N. Sjenku and M. R. Kotlyarevskii. *Vynadel' i Vinogradnaya S.S.R.* 12, No. 4, 17-20 (1952).—Fermentative properties and industrial application of 10 different native yeasts used by the combine are described. Formation of alc. and acidity, decreasing of sugar concn., and temp. changes during the alc. fermentation of must are illustrated by diagrams. The wines obtained (port, Madeira, sheries, and champagne) showed highly acceptable qualities with respect to the chem. compn. (alc., sugar, acidity, volatile acids, and (or) aldehydes and acetals) and to organoleptic tests.
E. Wierbicki

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New method of radiochromatographic investigation of products of photosynthesis. A. M. Kuzin and G. N. Savenko. *Trudy Komissii Anal. Khim., Akad. Nauk S.S.R., Inst. Geokhim. i Anal. Khim.*, 6, 481-8 (1955).—A fractional ascending chromatogram and a fractional circular chromatogram are recommended for small samples. Leaves contg. C¹⁴ were triturated with 0.2N HCl. The ext. was placed evenly in a line across a paper strip (4×40 cm.) 5 cm. from the bottom of the strip. The line of ext. filled exactly the aperture of a radioactivity counter. After measurement of total activity, an ascending chromatogram was done with Et₂O-CHCl₃ (1:1). After drying, the radioactivity was measured at intervals along the strip. The distance along the strip was plotted against activity in impulses/min. The lower part of the strip, contg. the greatest activity, was cut off 0.6 cm. above the original line of ext. The upper part was cut lengthwise into 3-4 strips. One strip was laid on x-ray film 3-7 days. The lower part of the chromatogram was placed so it just overlapped by 1-2 cm. a new strip. The original line of ext. was at the overlap. Glass covers were clamped on and a chromatogram made with a different solvent. For the circular chromatogram the paper was held tightly so that the sample was immediately under the capillary contg. solvent. The dried chromatogram was cut into sectors which could each be treated differently. Eurilla Mayrule

Inst. Biological Physics, AS USSR

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USSR A

The products of photosynthesis in leaves treated with enzyme poisons. A. M. Kuzin and G. N. Sayenko (Inst. Biophys., Acad. Sci. U.S.S.R., Moscow). Biokhimiya 20, 188-92 (1955).—It was reported in a previous publication that by infiltration into the leaves of higher plants appropriate concns. of such enzyme poisons as phenylurethan, hydroxylamine, and $\text{CH}_3\text{CO}_2\text{H}$ it was possible to suppress completely O₂ elimination on keeping the leaves in a bicarbonate soln. in the light and at the same time to retain a degree of fixation of bicarbonate C. By utilizing such disturbances in photosynthesis an attempt was made to determine what substances other than those under normal conditions of photosynthesis will C¹⁴ be fixed. Modified procedures of radiochromatography of two types were employed in the separation and identification of the C¹⁴ inclusion substances, the upright and circular methods. $\text{CH}_3\text{CO}_2\text{H}$ in concn. of $2 \times 10^{-4}\text{M}$ completely arrested O₂ elimination; CO₂ absorption persisted for 20 min. only. In the circular chromatogram there was noted a sharp lowering in the activity in band 5 representing fructose or pentose. There is a complete cessation of activity in band 3 representing oxidative substances the nature of which has not been well established. Band 1 including phosphohydrocarbons remained clearly defined. Generally

(invis.)

Q.M.F. 100
the nature of the substances including C¹⁴ are closely alike in the exptl. and control series, indicating only quant. differences between the two. Phenylurethan was used in concn. of 4.54×10^{-4} M and hydroxylamine in concn. of 3.5×10^{-4} M. These enzyme poisons are known to completely inhibit the process of photosynthesis. For the first 10-20 min. there was observed a degree of C fixation; it became completely arrested after 20 min. as did the elimination of O₂. Otherwise results with the two enzyme poisons showed generally and basically only quant. differences in the substances synthesized by the exptl. and control series.

B. S. Levine

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inhib. cell division & develop. (Rus))

(PLANTS, eff. of radiations,

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division & develop. (Rus))

(CELL DIVISION,

same)